

**NON-LINEAR SHUNT PROTECTIVE  
DEVICE FOR ESD PROTECTION**

**ABSTRACT OF THE DISCLOSURE**

5        A circuit includes an element that can damaged by a potential over 400  
mV. The element conducts with an element conductance over an element  
operating voltage range under 400 mV at element leads. The circuit also includes  
a shunt protective device connected to at least one of the element leads. The shunt  
protective device conducts with a shunt conductance above 400 mV that is greater  
10    than the element conductance. The shunt protective device conducts with a shunt  
conductance over the element operating voltage range that is less than the  
element conductance.